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(71) Applicant (for all designated States except US): **THIRD WAVE TECHNOLOGIES, INC.** [US/US]; 502 South Rosa Road, Madison, WI 53719 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ALLAWI, Hatim** [JO/US]; 33 Oakbridge Court #21, Madison, WI 53717 (US). **BARTHOLOMAY, Christian, Tor** [US/US]; 1913 Reetz Road, Madison, WI 53711 (US). **CHEHAK, Lu-Anne** [US/US]; 3211 Vold Court, Apartment 8, Janesville, WI 53546 (US). **CURTIS, Michelle, L.** [US/US]; 2740 Nadene Road, Cottage Grove, WI 53527 (US). **EIS, Peggy, S.** [US/US]; 5781 Pembroke Drive, Madison, WI 53711 (US). **HALL, Jeff, G.** [US/US]; 6305 Dylan Drive, Madison, WI 53719 (US). **IP, Hon, S.** [CA/US]; 6310 Pilgrim Road, Madison, WI 53711 (US). **KAISER, Michael** [US/US]; 2901 Shefford Drive, Madison, WI 53719 (US). **KWIATKOWSKI, Robert, W., Jr.** [US/US]; 506 Azurene Lane, Verona, WI 53593 (US). **LUKOWIAK, Andrew, A.** [US/US]; 2254 High Ridge Trail, Madison, WI 53713 (US). **LYAMICHEV, Victor** [RU/US]; 2523 Carriedale Court, Madison, WI 53711 (US). **MA, WuPo** [CN/US]; 1110 N. Westfield Road, Madison, WI 53717 (US). **OLSON-MUNOZ, Marilyn,**

**C.** [US/US]; 5878 Tree Line Drive, Madison, WI 53711 (US). **OLSON, Sarah, M.** [US/US]; 2968 Thinnest Street, Cross Plains, WI 53528 (US). **SCHAEFER, James, J.** [US/US]; 4369 Crawford Drive, Madison, WI 53711 (US). **SKRZYPCZYNSKI, Zbigniew** [PL/US]; 881 Orchid Street, Verona, WI 53953 (US). **TAKOVA, Tsetska, Y.** [US/US]; 9 Oak Glen Court, Madison, WI 53717 (US). **VEDVIK, Kevin, L.** [US/US]; 1302 Monica Lane, Madison, WI 53704 (US). **LYAMICHEV, Natalie, E.** [RU/US]; 2523 Carriedale Court, Madison, WI 53711 (US). **NERI, Bruce, P.** [US/US]; 5714 Kilkenny Place, Madison, WI 53711 (US).

(74) Agents: **CASIMIR, David, A.** et al.; Medlen & Carroll, LLP, Suite 350, 101 Howard Street, San Francisco, CA 94105 (US).

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(54) Title: DETECTION OF RNA

(57) Abstract: The present invention provides novel cleavage agents and polymerases for the cleavage and modification of nucleic acid. The cleavage agents and polymerases find use, for example, for the detection and characterization of nucleic acid sequences and variations in nucleic acid sequences. In some embodiments, the 5' nuclease activity of a variety of enzymes is used to cleave a target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.



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## A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Cupido, M

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